

Converting Colors

CIELCh(49, 49.651, 279.309)

Have a look what the booklet for
CIELCh(49, 49.651, 279.309)
contains.

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Color

CIELCh(49, 49.735, 279.272)

Conversions

Conversions Part 1

Format	Color
Hex	3575C8
RGB	53, 117, 200
RGB Percent	21%, 46%, 78%
CMY	0.7931, 0.5418, 0.2164
CMYK	0.74, 0.42, 0.00, 0.22
HSL	214°, 58%, 50%
HSV	214°, 74%, 78%
XYZ	18.1989, 17.5941, 56.9632
YIQ	107.3260, -64.7870, 12.2450

Conversions

Conversions Part 2

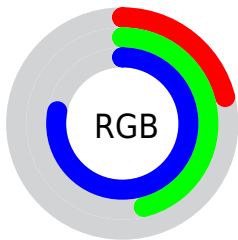
Format	Color
R_{YB}	53, 98, 200
Decimal	3503560
CIE _{Lab}	49.00, 8.01, -49.09
CIE _{LCh}	49, 49.735, 279.272
Yxy	17.5941, 0.1962, 0.1897
Android (android.graphics.Color)	4281693640 (0xFF3575C8)
YUV	107.3260, 45.6883, -47.6439
Hunter-Lab	41.9453, 4.0422, -51.1563

Details

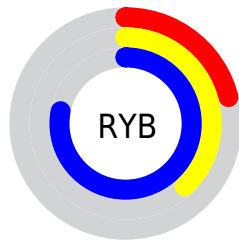
The CIELCh color **49, 49.735, 279.272** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **62, 55.113, 71.852**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 48.332, 278.429**, and **30, 48.133, 284.792** is the 20% darker color. If you saturate the color by 10%, you get **45, 56.684, 283.219**, and if you desaturate by 10%, it is **53, 42.918, 275.699**.

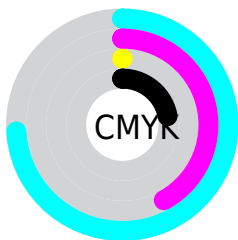
Distribution



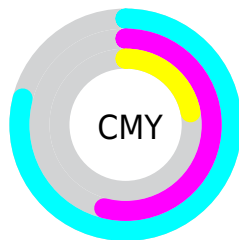
- Red (21%)
- Green (46%)
- Blue (78%)



- Red (21%)
- Yellow (38%)
- Blue (78%)



- Cyan (74%)
- Magenta (42%)
- Yellow (0%)
- Black (22%)



- Cyan (79%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 49.735, 279.272 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 49, 49.735, 279.272 by changing the saturation by 10% instead.

 49, 49.735,
279.272

 49, 49.735,
279.272

 100, 49.735,
279.272

 39, 49.735,
279.272

 69, 49.735,
279.272

 29, 49.735,
279.272

 79, 49.735,
279.272

 19, 49.735,
279.272

 89, 49.735,
279.272

 9, 49.735, 279.272

 99, 49.735,
279.272

 0, 49.735, 279.272

 49, 49.735,

 49, 49.735,

279.272

■ 45, 56.684,
283.219

■ 42, 63.817,
287.390

■ 40, 68.493,
289.987

279.272

■ 53, 42.918,
275.699

■ 57, 36.170,
272.558

■ 61, 29.441,
269.852

■ 66, 22.704,
267.547

■ 70, 15.953,
265.594

■ 74, 9.193, 263.946

■ 79, 2.437, 262.626

■ 83, 4.301, 81.210

■ 88, 11.007, 80.210

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49, 49.735, 279.272



62, 55.113, 71.852

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49, 49.735, 279.272



49, 49.735, 329.272



49, 49.735, 99.272



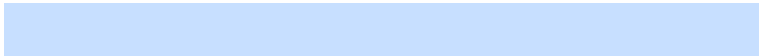
49, 49.735, 149.272

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49, 49.734, 279.273



88, 18.127, 265.366



72, 57.886, 157.245



45, 12.179, 265.860



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49, 49.734, 279.273



55, 72.941, 285.568



33, 89.230, 303.200



40, 3.819, 263.336



32, 58.034, 289.334



4, 15.061, 275.222

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47, 61.871, 358.290



56, 81.904, 3.682



78, 70.596, 106.319



39, 4.989, 348.039



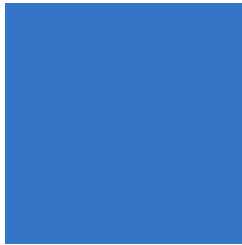
35, 60.469, 7.686



4, 17.300, 356.827

Previews

White Background



This preview shows how the CIELCh color 49, 49.735, 279.272 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 49.735, 279.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

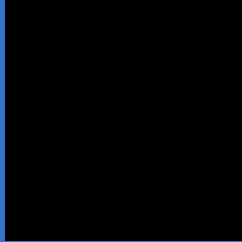
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

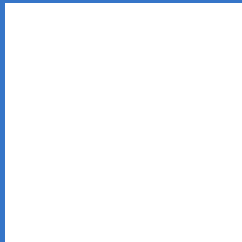
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 49.735, 279.272

Background



This preview shows how black text looks on a background with the CIELCh color 49, 49.735, 279.272.



This preview shows how white text looks on a background with the CIELCh color 49, 49.735, 279.272.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49, 49.735, 279.272

Protanopia

49, 48.937, 286.112

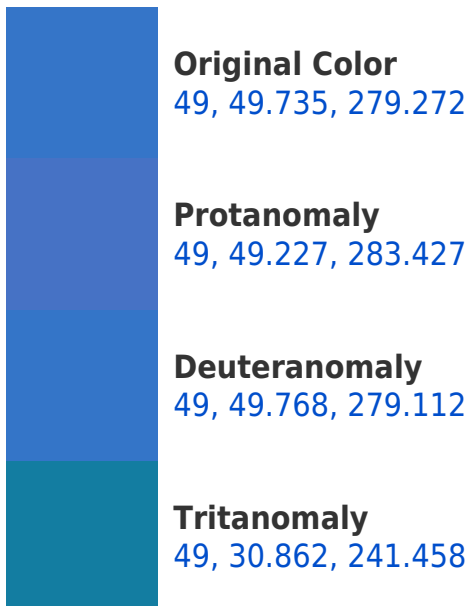
Deuteranopia

49, 49.800, 278.955

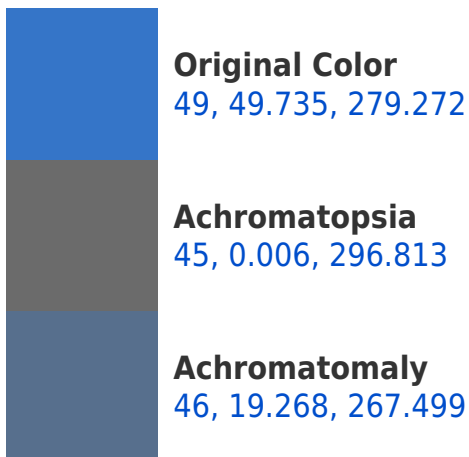


Tritanopia
49, 29.191, 208.408

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 49.735, 279.272 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(53, 117, 200)` looks like.

```
.text, #text, p{  
    color:rgb(53, 117, 200)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(53, 117, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 117, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 49.735, 279.272 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(53, 117, 200) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(53, 117, 200) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(53, 117, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 117, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 117, 200);  
box-shadow:4px 4px 4px 4px rgb(53, 117,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 49.735, 279.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 117, 200) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(53, 117,  
200) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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